NORTH AMERICA

SOUTH EAST COAST
OF

NEWFOUNDLAND
BAY BULLS to PLACENTIA

SURVEYED BY CAPT^N^ ORLEBAR, R.N.
assisted by
Com^rs^ Hancock, Mess^rs^ Carey, Clifton, Drs Brisay, & Byrnhaun, R.N. 1865.

F. Fixed. Fl. Flashing. Int. Intermittent. Rev. Revolving lights.

H.W.F.&C. (Cape Race) VII^h^ Springs rise 6¼ feet, Neaps 5 feet.
cor. coral. gr. ground. m. mud. r. rock. s. sand. sh. shells. st. stones.
Figures on the land express the height in feet above high water ordinary springs.
Magnetic Variation in 1871, nearly stationary.
All bearings are Magnetic.

SOUNDINGS IN FATHOMS
Current ——, Flood – – –, 12.5

Cape Race Lighthouse W.S.W. ½ miles

Cape Race Lighthouse E.^b^ S. ½ N. 1 mile
(E.S.Pass is striped Red & White vertical)

Lighthouse painted Red & White Horizontal
Cape Pine E.^b^ S.

Cape St^t^ Mary Lighthouse S.S.W. 6¼ Miles

Views Engraved by H. Adlard.

Currents

Although the current between the Grand Bank and Newfoundland is ordinarily to the W.S.W., sometimes nearly one mile per hour, it is not invariably so, and near the shore its moderate weather is changeable with the tide. During the flood it runs to the N.W. and during ebb to the S.E. the former being the strongest.
Westward of Cape Race, it must also be remembered, that the current so frequently setting to the S.W. one mile per hour in the offing is not invariable in strength or direction, but is affected greatly by the prevailing winds. It is observed generally to run in upon the eastern side of the great bays indenting the south coast of Newfoundland and out upon the western.
In the offing it is influenced by the winds, and near the shore it is altered and influenced by the tides so that during springs takes the stream of ebb runs readily to the S.E. and the stream of flood to the S.W. the latter sometimes two miles per hour round the headlands.

Directions

Coming from the westward in thick weather Cape Pine and Cape Race may be rounded with perfect safety if only attention be given to the lead. The water shoals gradually to the shore, and at the distance of 20 miles there is not more than 60 fathoms, so that sustainability a depth of more than 80 fathoms no risk can be incurred.
Coming from the eastward in thick weather, if sounding carefully, the Ballard Bank which extends 15 miles nearly parallel to the shore is nearly sure to be crossed and a careful comparison of the soundings obtained, with those on the Chart will show the position of the vessel with sufficient accuracy to enable the navigator to round Cape Race without danger.

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Longitude West from Greenwich (Ø^r^ Schol Harbour Chain rock Battery being 52°-54-45"W.)

Drawn for Engraving by E.J. Purcell & Engraved by Davies & Purcell.